STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

Source:

Date Processed by STIC:

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER</u> <u>VERSION 4.4.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (http://www.uspto.gov/ebc/efs/downloads/documents.htm, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
- Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
 U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street,
 Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 10/569, 330
ATTN: NEW RULES CASES:	PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE
Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5Variable Length	Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220><223> section to be missing from amino acid sequences(s) Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220><223> section to the subsequent amino acid sequence. This applies to the mandatory <220><223> sections for Artificial or Unknown sequences.
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence. <10> sequence id number <400> sequence id number 000
9Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence. (see item 11 below)
Use of <220>	Sequence(s) missing the <200 "Feature" and associated numeric identifiers and responses. Use of <220 to <223 is MANDATORY if <213 "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220 to <223 section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules
PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13 Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

AMC - STIC Systems Branch - 03/02/06



IFWP

RAW SEQUENCE LISTING DATE: 12/29/2006
PATENT APPLICATION: US/10/569,330 TIME: 15:38:03

Input Set: A:\L7350.0006 SEQUENCE LISTING.TXT
Output Set: N:\CRF4\12292006\J569330.raw

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3 <110> APPLICANT: NAKAJIMA, Toshihiro
       AMANO, Tetsuya
5
        TSUCHIMOCHI, Kaneyuki
6
        YAMAZAKI, Satoshi
        YAGISHITA, Naoko
                                                       Does Not Comply
9 <120> TITLE OF INVENTION: Synoviolin promoter
                                                      Corrected Diskette Needed
11 <130> FILE REFERENCE: L7350.0006
13 <140> CURRENT APPLICATION NUMBER: 10/569,330
14 <141> CURRENT FILING DATE: 2006-02-21
16 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/012424
17 <151> PRIOR FILING DATE: 2004-08-23
19 <150> PRIOR APPLICATION NUMBER: JP2003-297913
20 <151> PRIOR FILING DATE: 2003-08-21
22 <160> NUMBER OF SEQ ID NOS: 13
24 <170> SOFTWARE: PatentIn version 3.3
                                                      seepr4-5
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 3046
28 <212> TYPE: DNA
29 <213> ORGANISM: Mus musculus
31 <400> SEQUENCE: 1
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34 gaactcactc tgtagaccag gctggcctcg aactcagaaa tccgcctgcc tctgcctccc
                                                                      120
36 gagtgctggg attaaaggta ggcgccacca cgcccagctt ttttttttt agataggatc
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38 tcactctata getgtacget ggeeteagat ttatgatget etteetgeet eagteteeca
42 gagtagacct gaactgaaga ccagacaagg gagccttcct tcgacatctt ggggccaggg
44 aagttgaagc cataggatca gaggaaatgt ggcaagaaaa aaggccaaca tggacacaga
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46 acttaaataa aaacagacag aggaagtaag acagatatat acctggggga gaggagggat
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                                                                      540
48 tgccacaaa tgtaggagat tttcaagaat gggggaggat gagtgtagtag ggttaaaggt
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50 agccagtaga agttcatagc tagccttatg gaggaaggaa aggggagcca tctcgggatg
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52 ttaactgtta aagacaacag gtggtggtga agatggctga gaccaagagc acagggctga
54 ggggcagaca ggcactgaca ctgctaccct ttaatacagt tcctcctgtt gtgatcccca
                                                                      720
56 accataatta cttcgttgct acttcataac tgtaattttg ctagttatga attgtaagta
                                                                      780
58 aacgtetgat atgeaggata teteattigt gacceetgtg taacggittg atteceaaag
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60 qqcttacqac tcacaqqttq agagccagcc actgccttaa agtcgtctag aatcagtttt
                                                                      900
                                                                      960
62 ctttcttttt tgacagacaa gatgtttaat tccgttgtac tgaaggaaag ccattttatg
64 tatttttctt aagtgeteta teagtaatga caattetgaa ageecetgtg ttatatttta
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                                                                     1080
66 acaacacagt cacctccggt tctgtattca ctgtccgtgt tgtgactccc acagtataaa
68 ttcctccagt tgatcttcat gaattcttat atttgatccc ccccccctt aggcctctga
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70 attccgagtg agtccgagtt aaaaatggga ggagcaccct ctagctgata aacctgggta
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72 atgaggtgtc cgctttcagt ttccattctg tacgcgacta tactgcttgt gtgagcccta
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74 acagacagaa tcagctcaga acaaagggtc tggctatctc ccagggatga acacgcacgc
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76 cgactgaget tttggggtgt tgaaaagtea acgeettege acagaactet ceaccecaac
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RAW SEQUENCE LISTING DATE: 12/29/2006 PATENT APPLICATION: US/10/569,330 TIME: 15:38:03

Input Set: A:\L7350.0006 SEQUENCE LISTING.TXT
Output Set: N:\CRF4\12292006\J569330.raw

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80 cgggcccgt aagcatcccc ccaggcggga tagggatccc cggcctatgg actgcgcttt
                                                                        1500
82 ctcagctggc atccagctgc cttggcaccc agtccggggc cactctgcct acagacccta
                                                                        1560
84 gcaaccactc acctgetttt ettteectat aggecagaaa ttttteettt ettteteat
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86 tggtccgcgt aactttatcg caaccaatcg gcggtacacg ggaacaaact cactcctaca
                                                                        1680
88 caacctgcgt tggggggggg taacctggga agacctatat ctgttttctg caccgctatt
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90 tttttccgag aagcacttaa cttcttaccg tgtcgtagct atccctggaa tgaggcgctt
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92 acacatttta tttctttcat gcctgacata aagtctggcc cttgctcgct cctgccccc
                                                                        1860
94 gtccaaatgg ctcggcccgc ggaacgccca tcttccaggc acattgagag ccggagtctt
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96 ggagggagtt tagggtggtg attctacaac ggcgactagc aagtggcggg cttcagccct
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98 ttcccgctgc tctcctggtc gcgaccacac gtcacagctc tcgctcgttc cggttgctcg
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100 cgcagggggt ggggagtgtt gttaaccgga gcggctgccg cagtcgcggt gattgagcgt
                                                                         2100
102 actocgocgo geocogogoc geoggaagtg aggtgtetta coccegaagt teeggttege
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104 agggggtggg gagtgttgtt aaccggagcg gctgccgcag tcgcggtgat tgagcgtgct
106 cgcggcgctg ggctcctggt gagtgggcct ggtcctgatt ggggttgggg ggtcggcgtc
                                                                         2280
108 taggacettg teetttgggg teactgegat cageeegeee egetgegtte ggeegeeagt
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110 tttcggcctg tcagatggct ggagacctta ggcggcggcg cggccaccgt tccagaggcc
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112 gggccccgcc tgcgaggttc gcaactccta gcgttcacag gtgcgcgact gtgaggcgac
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114 ctgactggtt ctcagecceg cegeegeace ctggeggteg geegtttete eggtteteag
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116 agtggacact gctgggggcg ggggggggg cagggttcca gactgacgta ccccgatggg
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118 cgcgcgtctg cgctgaccac cctggcacag ctgtcactgg ttgtgtcgcc ttctcaagct
120 gtgccctctg caccttgcct cctccacccc tggcgggccc agcgaacctg cctctaaagc
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122 ctatcatccc agetecttca gagggtcage ggtggcagec eccetectec taactttgee
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124 teagtgacte cetagaggag gegeettgge agacagegtg gaagageett agatttgaaa
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126 cgagattgat ccaagttcta ggccttgcat cagtgtgagc ctctaacccc tttgagtcct
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128 agtttctcgt ttgtgaaaca gggagtatat gctgttttga atctaatggc tgtcaaggtg
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130 aaatgagtgt ttgcccttac actctgccag ggactgtgct aggtttacat agtgtggata
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138 <213> ORGANISM: Homo sapiens
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145 cctttattct gttctacttt tttcctatag cactgatcat cttccagcgt attagatttt
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147 tcacttatgt ctgtggtttg ctgtcacatc tactaggata agctccacaa aggtagagat
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149 ctttattttg ttcactgaca tcctaagtcc ctagaacagg agacacttga tccatatttg
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151 tagactaact gaataaatga cttaattacc agtttggatg tgggggcaga tagtgagcat
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153 gatgcccgtt tccggagctg gggtgcagac agtgtctagg gacactgaac tgttttaaaa
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155 gcaggataga tcccggctgg agaccacaca aggaaatcat cagcacctgg gtcaggggct
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157 ggactggagc agaggaaatc atgcaggaaa agtaaagaga aggacatcag gtaaagagaa
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159 gaggacacat gcatagccag agagaaaaga ggagcagagg catgtggatc acagaagctt
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161 agggaggaga ctttcaagaa ggggagagag gttgagtcaa gcaagggctg aaagccaacc
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163 attggatgca gtcactagaa agttacagat aggcaaggtg ttgtggctca cgcctgtaat
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165 cccaacacct tgtggggctg aggtgggagg atcgcttgag cccgggaggt cgaggctgca
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167 atgagecetg atggegeeaa tgeacteeag cetgggegae agageaagae cetgtegeaa
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169 aaattaataa ataaataaat aaaaagaaaa gggggaaaaa aagttatacg tggccttacg
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171 gggaagccaa ctctgactgg ttataagctg aaactgtcaa gtcaacaggt ggcagggaag
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RAW SEQUENCE LISTING DATE: 12/29/2006
PATENT APPLICATION: US/10/569,330 TIME: 15:38:03

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Output Set: N:\CRF4\12292006\J569330.raw

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177 ccctagctca taaaccttag tgattgatga ttaaatgaga tgacggagga aaacgcaagg
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179 cacaaagtgg atgcattagc tocattttgt taatcagcag gcttagttgg ctgcgaccca
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181 gacacgaact aaaatacagt gcagcccagg accagtgggg gtcttgctta tggctcagag
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183 ctgaacaaca catgggcagc aaaatcagac actgagatgc gggcaggcct gcgacgctga
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187 cagteteggg tacacetggt tgtecetece tgteetggeg eggeaaaegt teeeggagge
189 cagccaggga tcactcgccc aaggactgag ctttccctac tctcagccaa ctggagcggg
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191 accagggett aggeaacgea getgteegee cetaacaace acteacetge ttteecettt
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193 ctataggcca gcaaaggtac attetttte ttattgggcc gcgtaactta tcgcaaccaa
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197 agacaaattt ttgttttccg catccagttc tctcagagag caccgtattt gtcaaactgt
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199 tgtgactetc cctaaatgtt taagaaaaca tttcattccc ctcaggcttg tatagtctgt
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205 gactaataaa taataggggg acctccgact ccccctgtt gccttattac cttccgacca
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207 ceteteggae etettgeeca gecetteece gtagacatea ecceagatae ggtggtgaca
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209 ccattgctat gggcccacgt agggcgcagt gcgagccagg gcaggacgca cttggtacga
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211 cccacgccgc gcccgcgcc gccggaagtg aggtgtctga cccccgaagt tccggttcgc
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213 agggggtggg gagtgttgtt aaccggaggg gcagccgcag tcgcgcggat tgagcgggct
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215 cgcggcgctg ggttcctggt gagtggggcg aagtctggcc cgagttgtgg ttggggtcgg
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217 gaccegaace tteccettga ggteteegga gteggeacge ceeteageee egeegeacge
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219 tttcggcctg tcagctggcc ggagacctca gacgccggtg cggccgcttt gctcaagcct
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221 gggccctgcc tgcgacgccc gcaactcctg gtgctcacag gtgcgcggcc gcgagggcga
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223 eceggeteet eeegteeege tgetgetete teeegteeeg etgttttigt ggtgetetga
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225 gttgacacta ctccgggggt cgggggaccc caggattcca ggctgacgtt ccccgcccgc
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233 gcagetecce etectecaae attgeagett tteeteatea cetecetaga ggaggegget
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235 tggcaggcag cgtggaaaga gccctagatt tgaagcaaga ctgacccagg ttccaggcct
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237 tgcgtcagtg tgatcactta accccttcga gtctaatttg taaaatgggg tagcgtaagc
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239 tattetttgt etgatgattt egagggegaa atgtgattte ecceceaett teteetatga
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241 attgaggetg tgccaggeac egggetattt tgcacageac gagcatcaca taagttattt
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247 <211> LENGTH: 19
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial
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252 <223> OTHER INFORMATION: synthetic DNA
254 <400> SEQUENCE: 3
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260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial
263 <220> FEATURE:
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RAW SEQUENCE LISTING DATE: 12/29/2006 PATENT APPLICATION: US/10/569,330 TIME: 15:38:03

Input Set: A:\L7350.0006 SEQUENCE LISTING.TXT
Output Set: N:\CRF4\12292006\J569330.raw

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284 <212> TYPE: DNA
285 <213> ORGANISM: Artificial
287 <220> FEATURE:
288 <223> OTHER INFORMATION: synthetic DNA
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307 <211> LENGTH: 101
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309 <213> ORGANISM: Homo sapiens
311 <400> SEQUENCE: 8
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317 <210> SEQ ID NO: 9
318 <211> LENGTH: 101
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319 <212> TYPE: DNA
320 <213> ORGANISM: Mus (musclus)
322 <400> SEQUENCE: 9
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329 <211> LENGTH: 11
330 <212> TYPE: DNA
331 <213> ORGANISM: Homo sapiens
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337 <210> SEQ ID NO: 11
338 <211> LENGTH: 11
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RAW SEQUENCE LISTING

DATE: 12/29/2006

PATENT APPLICATION: US/10/569,330

TIME: 15:38:03

Input Set : A: \L7350.0006 SEQUENCE LISTING.TXT Output Set: N:\CRF4\12292006\J569330.raw

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342 <220> FEATURE:
343 <223> OTHER INFORMATION: mutant insufficient applanation
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351 <212> TYPE: DNA
352 <213> OPCANYON TO

352 <213> ORGANISM: Homo sapiens

354 <400> SEQUENCE: 12

355 gccgcgcccc

358 <210> SEQ ID NO: 13

359 <211> LENGTH: 10

360 <212> TYPE: DNA

361 <213> ORGANISM: Artificial

363 <220> FEATURE:

364 <223> OTHER INFORMATION: Mutant

366 <400> SEQUENCE: 13

367 gccaagcccc

10

10

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/10/569,330

DATE: 12/29/2006 TIME: 15:38:04

Input Set : A:\L7350.0006 SEQUENCE LISTING.TXT Output Set: N:\CRF4\12292006\J569330.raw

Invalid <213> Response:

Use of "Artificial" only as "(2)13> Organism" response is incomplete, per 1.823(b) of New Sequence Poles. Valid response is Artificial Sequence.

Seq#:3,4,5,6,7,11,13

VERIFICATION SUMMARY DATE: 12/29/2006 PATENT APPLICATION: US/10/569,330 TIME: 15:38:04

Input Set : A:\L7350.0006 SEQUENCE LISTING.TXT
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